

## WHAT IS CLAIMED IS:

1. A weight member for a golf club head, the weight member being made by a WMoNi alloy, the WMoNi alloy comprising molybdenum 4-55 wt%, nickel 25-95 wt%, and tungsten 1-70 wt%.
- 5        2. The weight member for a golf club head as claimed in claim 1, wherein the weight member is manufactured by a precision casting process.
3. The weight member for a golf club head as claimed in claim 1, wherein the weight member is manufactured by powder metallurgy.
4. The weight member for a golf club head as claimed in claim 1,  
10        wherein the WFeNi alloy has a density of 8.6g/cm<sup>3</sup>-16.6g/cm<sup>3</sup>.
5. The weight member for a golf club head as claimed in claim 1, further comprising silicon of less than 1.5% to increase flowability during casting.
6. The weight member for a golf club head as claimed in claim 1,  
15        comprising at least one component for improving a mechanical property of the weight member.
7. The weight member for a golf club head as claimed in claim 6, wherein said at least one component includes manganese of less than 1.0%, copper of less than 4.0%, vanadium of less than 1.0%, and niobium of less  
20        than 1.0%.